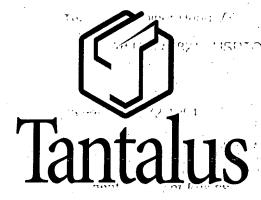
100 – 2955 Virtual Way Vancouver, B.C. Canada V5M 4X6 Phone: (604) 299-0458 Fax: (604) 451-4111



or attached the Pick, worth

Fax

fax cover (3x).

To:	Exa	aminer Hung VY		From:	Norm Stevenson	
	Art	Unit #2821 - USP	го	·		
Fax:	703	-872-9306 / 571-2	73-1954	Date:	January 18 , 2005	
Phone:	571	-272-1954		Pages:	3including this co	oversheet
Re:	US	Patent application	# 10/656279	CC:		· · · · · · · · · · · · · · · · · · ·
□ Urge	ent	☐ For Review	☐ Please Cor	nment	☐ Please Reply	☐ Please Recycle
Disass		etteched IDC A		·		

APR 1 1 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 Complete if Known

 Application Number
 10/545,279

 Filling Date
 09/08/2003

 First Named Inventor
 DE ANGELIS

 Art Unit
 2821

 Examiner Name
 VY

 Attorney Docket Number
 Interview of the control of the con

**U. S. PATENT DOCUMENTS** Examiner Name of Patentee or Applicant of Cited Document Cite **Document Number** Publication Date Pages, Columns, Lines, Where Initials\* MM-DD-YYYY Relevant Passages or Relevant Number-Kind Code<sup>2</sup> (F known) Figures Appear <sup>US-</sup> 5,977,931 A Openlander US- 6,507,322 B2 Fang US- 6,483,466 B2 Liu US- 6,304,231 B1 Reed <sup>US-</sup> 6,067,052 A Rawles <sup>US-</sup> 5,847,683 A Wolfe US-6,043,786 A Vannatta US- 6,545,640 B1 Herve US- 5,966,101 A Haub US- 6,339,400 B1 **Flint** <sup>US-</sup> 6,414,647 B1 Lee <sup>US-</sup> 5,677,698 A Snowdon US-US-US-US-US-US-US-

		FORE	IGN PATENT DOCU	MENTS	•	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Π
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	, pp. cant of Orod Doddinon	Or Relevant Figures Appear	י
	<u> </u>					
						I
	<u> </u>					
						L
						f

Examiner	Date	
Signature	Considered	
Org. rotal O	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	ute for form 1449/PTO				Complete if Known
				Application Number	10/545,279
INF	ORMATION	l DIS	SCLOSURE	Filing Date	09/08/2003
STA	ATEMENT E	BY A	PPLICANT	First Named Inventor	DE ANGELIS
l	(Use as many she	ante se i	nocočeoná	Art Unit	2821
	tose as many and	, o to as i	recessary)	Examiner Name	VY .
Sheet	2	of	2	Attorney Docket Number	

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SMITH, Kent, Antennas For Low Power Applications, RF Monolithics Inc. Application Note, AN-36, 1998	
		JASIK, Henry (editor), Antenna Engineering Handbook, McGraw-Hill, N.Y. 1961, pp 8-1 thru 8-16.	
	-	Smart Antenna Systems, Web ProForum Tutorials, International Engineering Consortium	

Examiner		Date	
Signature		Considered	

<sup>\*</sup>EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief. Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## **Auto-Reply Facsimile Transmission**



TO:

Fax Sender at 604 451 4111

Fax Information

Date Received:

1/18/2005 5:32:15 PM [Eastern Standard Time]

Total Pages: 3 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received Cover Page

				;
			• .	
			*	
	The second second second			
etstaq	nt references to follow by seg	estaq-non	see strached lb3. A copy of three in ver (3x).	gasal <sup>q</sup> rec xist
Recycle	i eesseld 🗆	fraction of	int   For Raview   Please Cor	
		פפי	U\$ Patent application # 10/656279	men men
	Sincluding this coverahest	mode_	+361-272-173	Phone
	3002 , 8f Yisunal	puipeg.	#391-ETS-173 / 3069-ST8-EDT	DOM
-			OTG2U - 1585# InU hA	<del></del>
	noanevete mod	MON	Examiner Hung VV	10T
,				
				ES
			T.	
			Smen	IPI
			sulati	441,
			•	
				<b>)</b>
				1
				ני

PAGE 131 RCVD AT 1M87005 5:32:15 PM Eastern Standard Time! SVR:USPTO-EFXRF-122 DHIS:2720306 CSID:604 451 4111 DURATION (mm-ss):01-40